

FIG. 1
(Related Art)

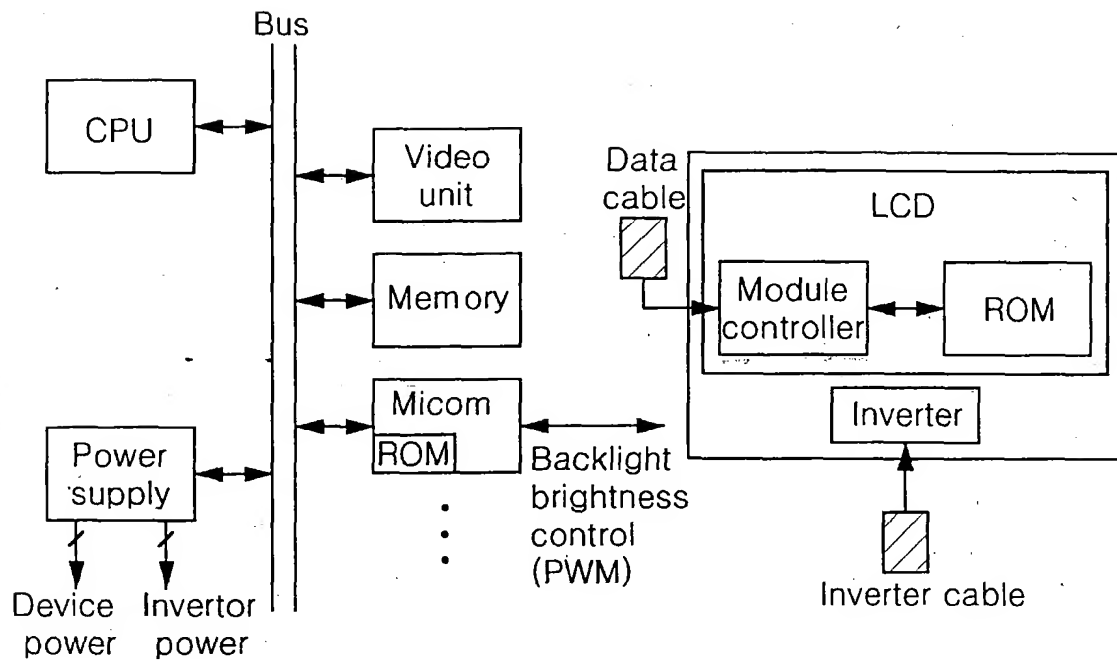


FIG. 2

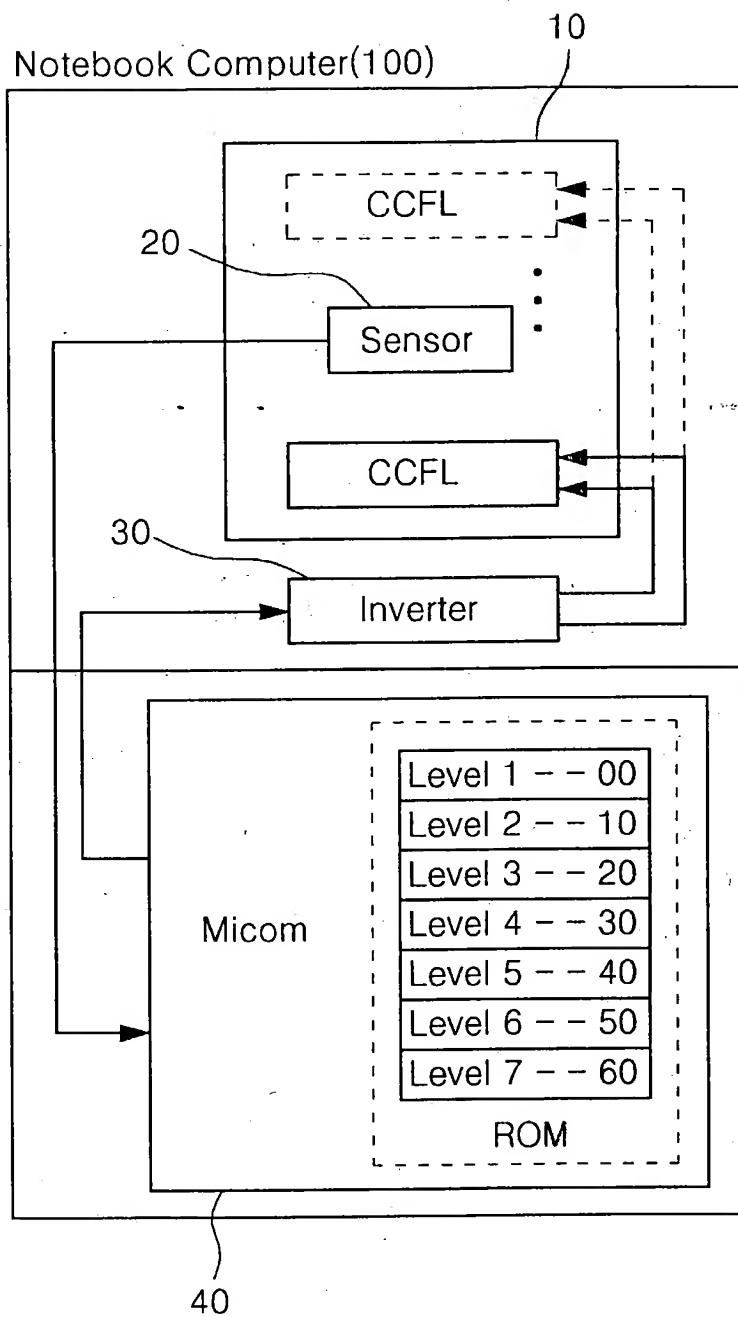


FIG. 3

(Relative Optical Characteristic: Bad) (Relative Optical Characteristic: Good)

LCD #A				LCD #B			
LCD Brightness Level	LCD Brightness Spec	Control Code	Invertor Watt	LCD Brightness Level	Control Code	LCD Brightness Spec	Invertor Watt
1	10 nit	10	1.0	1	10	15 nit	1.1
2	20 nit	20	1.2	2	20	27 nit	1.25
3	30 nit	30	1.5	3	30	40 nit	1.5
4	50 nit	50	1.8	4	50	65 nit	1.85
5	70 nit	80	2.2	5	80	95 nit	2.2
6	90 nit	90	2.6	6	90	105 nit	2.6
7	110 nit	B0	3.0	7	B0	130 nit	2.9
8	130 nit	D0	3.5	8	D0	150 nit	3.4

LCD A,B : Control code same

LCD A,B : Brightness different

FIG. 4

Address	No. bytes		Description	Format
00h	1	Bytes	EDID Structure Version/Revision	Binary
01h	7	Bytes	Vendor/Product Identification	
01h		2	ID Manufacturer Name	EISA 3-character ID
03h		2	ID Product Code	Vendor assigned code
05h		1	Week of Manufacture	Week number
06h		2	Year of Manufacture	Binary
4Fh	5	Bytes	Display Device Description	
4Fh		1	Display Technology Type/Subtype	
50h		1	Major Display Characteristics	
56h	28	Bytes	Color/Luminance Description	
56h		4	Display Transfer Characteristic (Gamma)	Binary
80h	127	Bytes	Luminance Table & Timing Descriptions	
*		x*A	Luminance Table	Size x specified in Section 4.4
*		8*B	Range Limits	
*		27*C	27-Byte-Detailed Range Limits	
*		4*D	4-Byte Timing Codes	
*		18*E	18-Byte Detailed Timing Descriptions	
*		X	$X=127-(x*A+8*B+27*C+4*D+18*E)$	Set to 00h

FIG. 5

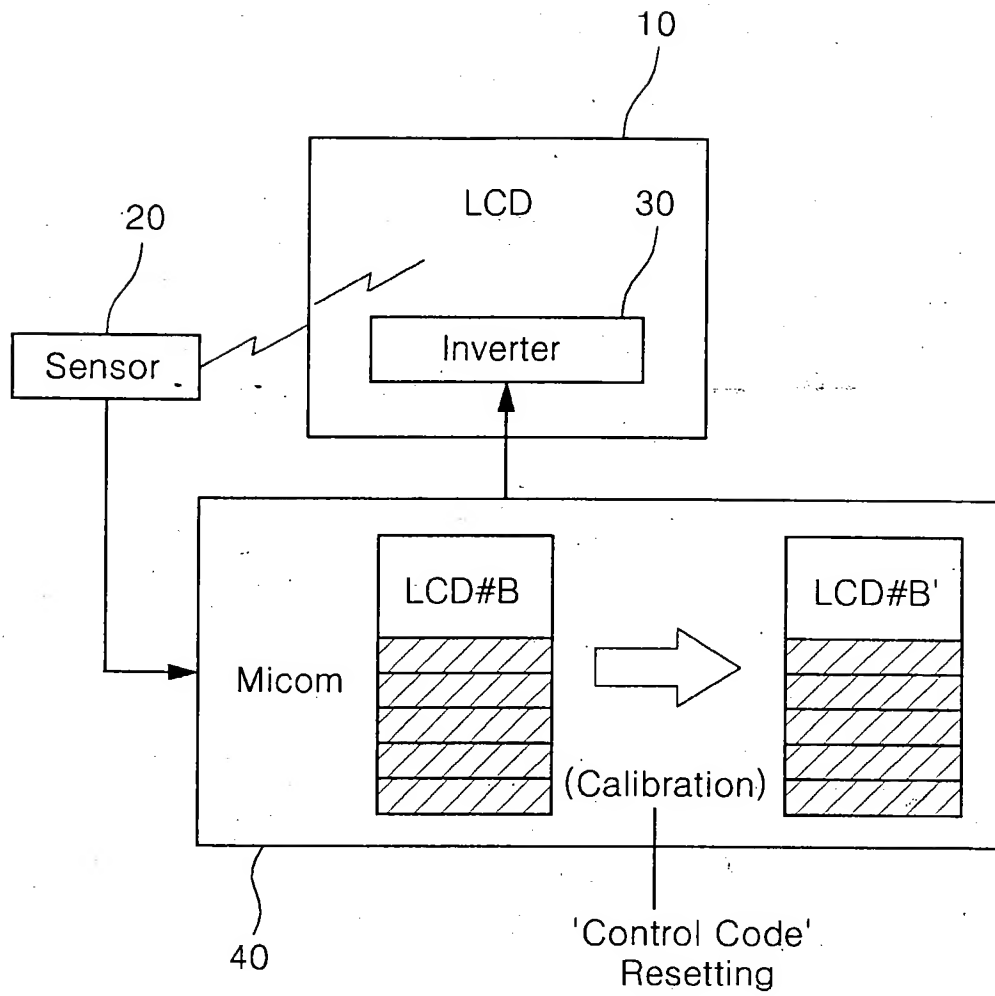


FIG. 6

LCD #B'			
LCD Brightness Level	Control Code	LCD Brightness Spec	Invertor Watt
1	0B	10 nit	0.9
2	1A	20 nit	1.1
3	29	30 nit	1.3
4	47	50 nit	1.6
5	75	70 nit	1.8
6	84	90 nit	2.2
7	A2	110 nit	2.5
8	C1	130 nit	3.0

'Control Code'
Resetting

FIG. 7

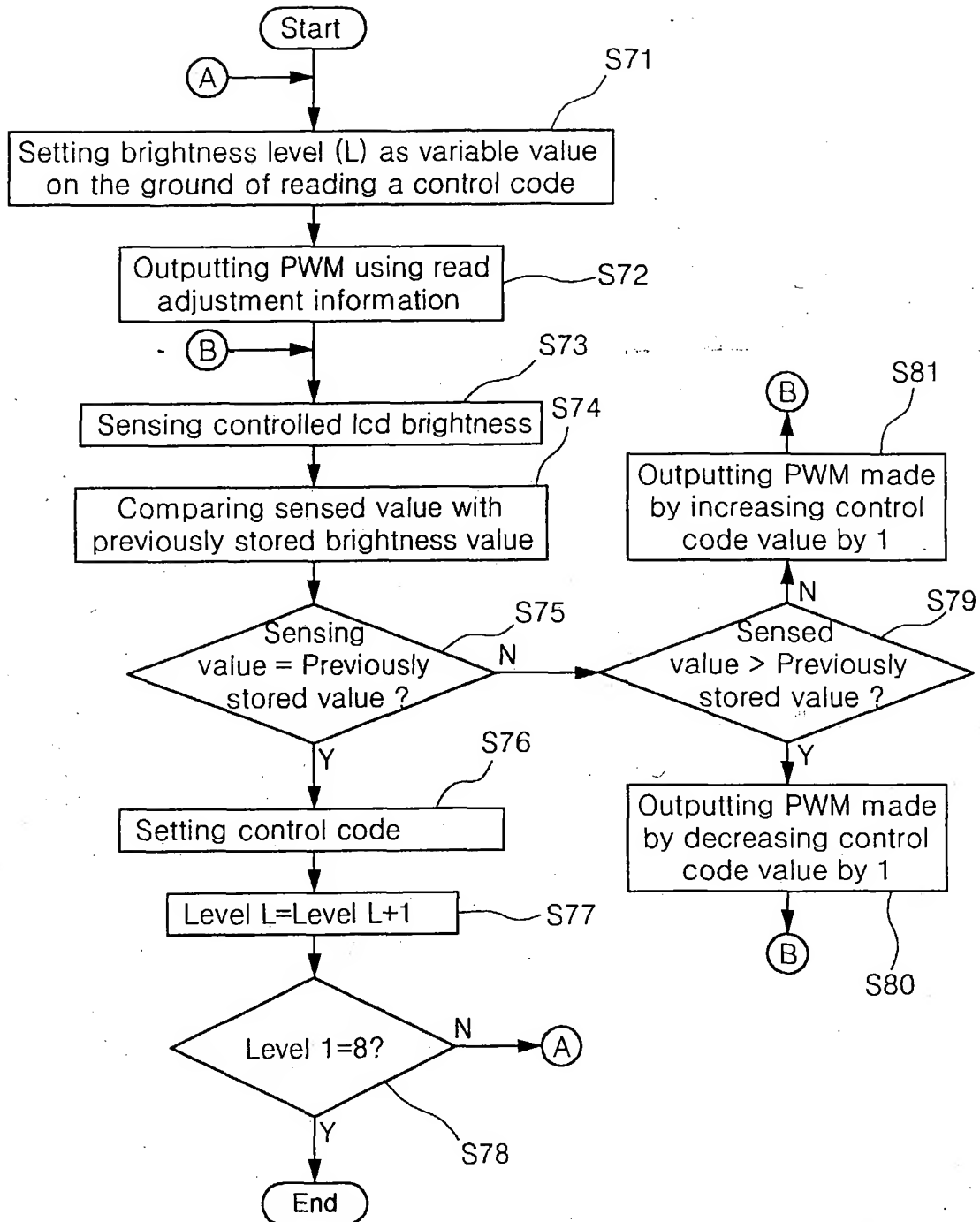


FIG. 8

Level	PWM Control Code	Brightness
1	10	10 Nit
2	20	15 Nit
3	30	
⋮	⋮	
⋮	⋮	
8	80	